

REMARKS

The Office Action in the above-identified application has been carefully considered and this amendment has been presented to place this application in condition for allowance.

Accordingly, reexamination and reconsideration of this application are respectfully requested.

Claims 15-22 are in the present application. It is submitted that these claims were patentably distinct over the prior art cited by the Examiner, and that these claims were in full compliance with the requirements of 35 U.S.C. § 112. The new claims, as presented herein, are not submitted for the purpose of patentability within the meaning of 35 U.S.C. sections 101, 102, 103 or 112. Rather, these claims are submitted simply for clarification and to round out the scope of protection to which Applicants are entitled. Claims 5, 10 and 12-14 are canceled.

Claims 5, 10 and 12-14 were objected to because of various informalities. Claims 12 and 14 were rejected under 35 U.S.C. § 112, second paragraph, as being indefinite. These claims have been canceled and the newly presented claims render these issues moot.

Claim 12 was rejected under 35 U.S.C. § 102(a), as being anticipated by applicants' admitted prior art. Claims 5, 10, 12, and 13 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicants' admitted prior art and Mizoguchi et al. (article entitled "A Fast Burst Synchronization Scheme for OFDM").

However, one of the features of the present invention is that the complex symbols of the first part are set such that the correlation (performed in the receiver side of the OFDM as part of the synchronization process) with the second part is optimized. In other words, the symbols of

the first part and the second part are correlated for the synchronization process performed at the receiver.

Whereas, in the admitted prior art, Applicants disclose that the present invention addresses the problem in the prior art that there is no correlation between the symbols of the first part (A-field) and the second part (B-field) for the synchronization process.

Moreover, according to Mizoguchi, the same synchronization signal is simply repeated to generate two identical successive synchronization patterns. Mizoguchi clearly fails to teach that the symbols of the first and second parts are selected such that the correlation performed during synchronization at the receiving side is optimized.

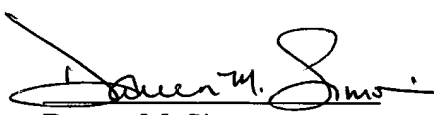
Accordingly, for at least these reasons, Applicants' admitted prior art and/or Mizoguchi fails to obviate the present invention and the newly submitted claims should be allowed.

In view of the foregoing amendment and remarks, it is respectfully submitted that the application as now presented is in condition for allowance. Early and favorable reconsideration of the application are respectfully requested.

An extension of time fee is deemed to be required for the filing of this amendment. No additional fees are anticipated, but if such are required, the Examiner is hereby authorized to charge any insufficient fees or credit any overpayment associated with the above-identified application to Deposit Account No. 50-0320.

If any issues remain, or if the Examiner has any further suggestions, he/she is invited to call the undersigned at the telephone number provided below. The Examiner's consideration of this matter is gratefully acknowledged.

Respectfully submitted,
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